

General

Title

Diagnosis and management of chronic obstructive pulmonary disease (COPD): percentage of COPD patients who require hospital admission/readmission for COPD-related exacerbations in one month.

Source(s)

Institute for Clinical Systems Improvement (ICSI). Quality improvement support: diagnosis and management of chronic obstructive pulmonary disease (COPD). Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2016 Jan. 14 p.

Measure Domain

Primary Measure Domain

Related Health Care Delivery Measures: Use of Services

Secondary Measure Domain

Clinical Quality Measure: Access

Brief Abstract

Description

This measure is used to assess the percentage of chronic obstructive pulmonary disease (COPD) patients age 18 years and older who require hospital admission/readmission for COPD-related exacerbations in one month.

Rationale

The priority aim addressed by this measure is to decrease the percentage of chronic obstructive pulmonary disease (COPD) patients who have exacerbation requiring emergency department evaluation or hospital admission.

The Institute for Clinical Systems Improvement (ICSI) has endorsed with qualifications the Veteran's Affairs/Department of Defense (VA/DoD) Clinical Practice Guideline for the Management of Chronic Obstructive Pulmonary Disease. Refer to the [Qualifications Table: Diagnosis and Management of Chronic](#)

Obstructive Pulmonary Disease (COPD) for recommendation statements.

Evidence for Rationale

Institute for Clinical Systems Improvement (ICSI). Quality improvement support: diagnosis and management of chronic obstructive pulmonary disease (COPD). Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2016 Jan. 14 p.

Primary Health Components

Chronic obstructive pulmonary disease (COPD); exacerbations; hospitalization

Denominator Description

Number of patients with chronic obstructive pulmonary disease (COPD) diagnosis (see the related "Denominator Inclusions/Exclusions" field)

Numerator Description

Number of patients with chronic obstructive pulmonary disease (COPD) who were hospitalized for COPD-related exacerbations in one month

Evidence Supporting the Measure

Type of Evidence Supporting the Criterion of Quality for the Measure

A clinical practice guideline or other peer-reviewed synthesis of the clinical research evidence

A systematic review of the clinical research literature (e.g., Cochrane Review)

One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

Additional Information Supporting Need for the Measure

Unspecified

Extent of Measure Testing

Unspecified

State of Use of the Measure

State of Use

Current routine use

Current Use

not defined yet

Application of the Measure in its Current Use

Measurement Setting

Ambulatory/Office-based Care

Hospital Inpatient

Professionals Involved in Delivery of Health Services

not defined yet

Least Aggregated Level of Services Delivery Addressed

Clinical Practice or Public Health Sites

Statement of Acceptable Minimum Sample Size

Unspecified

Target Population Age

Age greater than or equal to 18 years

Target Population Gender

Either male or female

National Strategy for Quality Improvement in Health Care

National Quality Strategy Priority

Institute of Medicine (IOM) National Health Care Quality Report Categories

IOM Care Need

Not within an IOM Care Need

IOM Domain

Not within an IOM Domain

Data Collection for the Measure

Case Finding Period

The time frame pertaining to data collection is weekly, monthly, quarterly or annually.

Denominator Sampling Frame

Patients associated with provider

Denominator (Index) Event or Characteristic

Clinical Condition

Patient/Individual (Consumer) Characteristic

Denominator Time Window

not defined yet

Denominator Inclusions/Exclusions

Inclusions

Number of patients with chronic obstructive pulmonary disease (COPD) diagnosis

Population Definition: Patients 18 years and older.

Exclusions

Unspecified

Exclusions/Exceptions

not defined yet

Numerator Inclusions/Exclusions

Inclusions

Number of patients with chronic obstructive pulmonary disease (COPD) who were hospitalized for COPD-related exacerbations in one month

Exclusions

Unspecified

Numerator Search Strategy

Institutionalization

Data Source

Electronic health/medical record

Type of Health State

Proxy for Health State

Instruments Used and/or Associated with the Measure

Unspecified

Computation of the Measure

Measure Specifies Disaggregation

Does not apply to this measure

Scoring

Rate/Proportion

Interpretation of Score

Desired value is a lower score

Allowance for Patient or Population Factors

not defined yet

Standard of Comparison

not defined yet

Identifying Information

Original Title

Percentage of COPD patients who require hospital admission/readmission for COPD-related exacerbations in one month.

Measure Collection Name

Diagnosis and Management of Chronic Obstructive Pulmonary Disease (COPD)

Submitter

Developer

Institute for Clinical Systems Improvement - Nonprofit Organization

Funding Source(s)

The Institute for Clinical Systems Improvement's (ICSI's) work is funded by the annual dues of the member medical groups and three sponsoring health plans in Minnesota.

Composition of the Group that Developed the Measure

Work Group Members: Blair Anderson, MD (*Work Group Leader*); Heather Brown, APRN, CNP; Elliot Bruhl, MD, FAAFP; Kimberly Bryant, APRN, CNP; Kristen Conner, MSN, CNP; Dawn Kaderabek, APRN, CNP; George Kerestes, MD; Michelle Kuehn, RRT; Kaiser Lim, MD; Kristelle Mrosak, BAH, RRT; Shama Raikar, MD; Tiffany Rickbeil, MD; Heidi Schultz, PharmD, BCACP; Kathryn Westman, RN, MS, APRN

Financial Disclosures/Other Potential Conflicts of Interest

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Where there are work group members with identified potential conflicts, these are disclosed and discussed at the initial work group meeting. These members are expected to recuse themselves from related discussions or authorship of related recommendations, as directed by the Conflict of Interest committee or requested by the work group.

The complete ICSI policy regarding Conflicts of Interest is available at the [ICSI Web site](#)

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Financial/Non-Financial Conflicts of Interest: None

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Financial/Non-Financial Conflicts of Interest: None

Adaptation

This measure was not adapted from another source.

Date of Most Current Version in NQMC

2016 Jan

Measure Maintenance

Unspecified

Date of Next Anticipated Revision

Unspecified

Measure Status

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Diagnosis and management of chronic obstructive pulmonary disease (COPD). Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2013 Mar. 68 p.

Measure Availability

Source available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#)

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NQMC Status

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Production

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